



PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	10/791,194
Filing Date	March 2, 2004
First Named Inventor	Frank L. Hall
Group Art Unit	1725
Examiner Name	S. Heinrich
Attorney Docket Number	2269-4718.2US (00-0316.02/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SMH		US-3,866,398	02/1975	Vernon et al.	
SMH		US- 4,752,668	06/1988	Rosenfield et al.	
SMH		US- 5,442,416	08/1995	Tateyama et al.	
SMH		US- 5,800,747	09/1998	Cavasin	
SMH		US- 6,245,677	06/2001	Haq	
SMH		US- 6,333,564	12/2001	Katoh et al.	
SMH		US- 6,341,009	01/2002	O'Connor et al.	
SMH		US- 6,376,290	04/2002	Gosain et al.	
SMH		US- 6,448,633	09/2002	Yee et al.	
SMH		US- 6,550,989	04/2003	Haley et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SMH		JP 403106063A	05/1991	Osawa et al.		X

Examiner
Signature

S. Heinrich

Date
Considered

March 06, 2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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